

DOKUCHAYEVA, O.D.; KOSTYAKOVA, Ye.B.

Preliminary tests of the experimental astronomical film "Pankhrom
with λ limit 660 m μ . Astron. tsir. no.211:17-20 My '60.
MIRA 13:10)

1. Gosudarstvennyy astronomicheskiy institut im. Shternberga,
Moskva.

(Astronomical photography--Equipment and supplies)

22373

S/035/61/000/005/004/042

A001/A101

3,1560

AUTHOR: Dokuchayeva, O.D.

TITLE: Determination of spectrophotometric temperature and decrement of the Balmer series for AG Pegasi (1952)

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 5, 1961, 23, abstract 5A162 ("Peremennyye zvezdy", 1960, v. 12, no. 5, 372 - 373)

TEXT: Three spectrograms were used which were taken at the Abastumani Observatory by means of a 8" camera with $F = 1$ m mounted on a 40-cm refractor and a 1595 prism. The mean absolute gradient was 1.46. The star temperature grew and amounted to $10,000 \pm 1,000^{\circ}\text{C}$ during the period of observations. The Balmer decrement values are cited in a table. It is noted that they do not agree with any variant of decrement calculations for planetary nebulae and Be stars. There are 5 references.

M. S.

[Abstracter's note: Complete translation]

Card 1 of 1

KULAGIN, S.G.; KOVBASYUK, L.D.; DAGAYEV, M.M.; LAZAREVSKIY, V.S.;
 DEMIDOVICH, Ye.G.; BRONSHTEN, V.A.; YAKHONTOVA, N.S. (Leningrad);
 KUROCHKIN, N.Ye.; DOKUCHAYEVA, O.D.; SHCHERBINA-SAMOYLOVA, I.S.;
 MASEVICH, A.G.; LIPSKIY, Yu.N.; MARTYNOV, D.Ya.; ARSENT'YEV, V.V.;
 MOROZ, V.I.; MASEVICH, A.G.; PEREL', Yu.G.; BAKULIN, P.I., *otv.*
red.; KULIKOV, G.S., *red.*; AKHLAMOV, S.N., *tekh. red.*

[Astronomical calendar; yearbook. Variable part, 1962] Astrono-
 micheskiy kalendar'; ezhegodnik. Peremennaya chast', 1962. Red.
 kollegiya: P.I. Bakulin i dr. Moskva, Gos. izd-vo fiziko-matem.
 lit-ry, 1961. 259 p. (Vsesoyuznoe astronomo-geodezicheskoe ob-
 shchestvo, no. 65) (MIRA 14:12)

1. Gosudarstvennoye astronomo-geodezicheskoye obshchestvo (for
 Kalugin, Kovbasyuk, Lazarevskiy, Demidovich). 2. Moskovskoye ot-
 deleniye Vsesoyuznogo astronomo-geodezicheskogo obshchestva (for
 Dagayev, Bronshten, Kurochkin).
 (Astronomy—Yearbooks)

DOKUCHAYEVA, O.D.; KRAUSH, L.Ya.

Comparison of three kinds of emulsions. Astron.tsir. no.223:
8-11 J1 '61. (MIRA 15:3)

1. Gosudarstvennyy astronomicheskiy institut im. Shternberga.
(Photographic emulsions)

ARKHIPOVA, V.P.; DOKUCHAYEVA, O.D.; VORONTSOV-VEL'YAMINOV, B.A.

Spectrophotometry of AQ Pegasi. Astron.tsir. no.223:17-18 J1
'61. (MIRA 15:3)

1. Gosudarstvennyy astronomicheskiy institut im. Shternberga.
(Stars, Variable--Spectra)

ARKHIPOVA, V.P.; DOKUCHAYEVA, O.D.

Spectrophotometry of AG Pegasi. Astron.zhur. 39 no.4:613-618
Jl-Ag '62. (MIRA 15:7)

1. Gosudarstvennyy astronomicheskiy institut imeni P.K.Shternberga.
(Spectrophotometry) (Stars--Observations)

3.1230

45547
S/033/62/039/006/019/024
E032/E114

AUTHORS: Dokuchayeva, O.D., and Kraush, L.Ya.

TITLE: On the increase of the sensitivity of photographic plates used in astronomy

PERIODICAL: Astronmicheskiy zhurnal, v.39, no.6, 1962, 1098-1101

TEXT: The Agfa Isopan ISS, Astropanchrome, Astro-unsensitized and special NIKFI astronomical plates were investigated. It was found that the sensitivity of these plates could be increased by: 1) preliminary exposure (1/15 sec) to white light (colour temperature of lamp 2850 °K, illuminance 0.18 lux); 2) single exposure to mercury vapour at 55 °C; 3) repeated exposure to mercury vapour; 4) exposure to mercury vapour followed by exposure to white light; 5) exposure to white light followed by exposure to mercury vapour. Analysis of the experimental curves shows that methods 1 and 2 have the maximum effect on the sensitivity. It was also found that the developed image can be intensified by the use of an iron-cobalt intensifier. Although no new details were found to appear, an appreciable

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On the increase of the sensitivity... S/033/62/039/006/019/024
E032/E114

increase in the contrast of existing minor details was achieved.
There are 5 figures.

ASSOCIATION: Gos. astronomicheskiy in-t im. P.K. Shternberga
(State Astronomical Institute imeni P.K. Shternberg)

SUBMITTED: November 10, 1961

Card 2/2

DOKUCHAYEVA, O. D. [Dakuchaeva, O. D.], kand. fiz.-matem. nauk, nauchnyy
sotrudnik

Secrets of outer space. Rab. i sial. 38 no.10:18-19 0 '62.
(MIRA 15:10)

1. Gosudarstvennyy astronomicheskiy institut imeni Shternberga.

(Cosmography) (Astronautics)

DOKUCHAYEVA, O.D.; KRAUSH, L.Ya.

Increasing the sensitivity of astronomical photographic plates. Astron.zhur. 39 no.6:1098-1101 N-D '69, (MIRA 15:11)

1. Gosudarstvennyy astronomicheskiy institut im.
P.K. Shternberga.
(Astronomical photography—Equipment and supplies)

DOKUCHAYEVA, O.D.; KRAUSH, L.Ya.

Laboratory comparison of Agfa Press, Isopan and N x plates.
Soob. GAISH no.122:3-8 '62. (MIRA 16:7)

(Photography—Plates)

DOKUCHAYEVA, O.D.; RETIVAYA, T.V.

Comparing the NIKFI Pankhrom 700 nonsensibilized film for astronomical photography with some kinds of astronomical photographic emulsions. Astron.tsir. no.227:7-10 F '62.

1. Gosudarstvennyy astronomicheskiy institut im. Shternberga.
(Astronomical photography--Equipment and supplies)

VORONTSOV-VEL'YAMINOV, Boris Aleksandrovich; ARKHIPOVA, Vera Petrovna;
KUKARKIN, B.V., prof., otv.red.; DOKUCHAYEVA, O.D., red.

[Morphological catalog of galaxies. Pt 3. Catalog of 6740 galaxies
from $+15^{\circ}$ to -9° of declination]. Morfologicheskii katalog galak-
tik. Pt. 3. Katalog 6740 galaktik ot $+15^{\circ}$ do -9° skloneniia.
[Moskva] Izd-vo Mosk. univ. 1963. 260 p. (Moskva. Universitet.
Gosudarstvennyi astronomicheskii institut. Trudy, no.33).

(MIRA 17:4)

VORONTSOV-VEL'YAMINOV, B.A.; KOSTYAKOVA, Ye.B.; DOKUCHAYEVA, O.D.;
ARKHIPOVA, V.P.

Absolute intensities of emission lines of planetary nebulae. Part 1.
Astron.zhur. 41 no.2:255-263 Mr-Apr '64. (MIRA 17:4)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.

VORONTSOV-VEL'YAMINOV, B.A.; KOSTYAKOVA, Ye.B.; DOKUCHAYEVA, O.D.;
ARKHIPOVA, V.P.

Revised absolute intensities of the emission lines of 25 planetary
nebulae. Astron.zhur. 42 no.2:464-466 Mr-Apr '65.

(MIRA 18:4)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.

VORONTSOV-VEL'YAMINOV, B.A.; KOSTYAKOVA, Ye.B.; DOKUCHAYEVA, O.D.; ARKHIPOVA,
V.P.

Absolute intensities of emission lines of planetary nebulae. Part 2.
Astron. zhur. 42 no.4:730-739 JI-Ag '65.

(MIRA 18:8)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.

ACC NR: AR6028751

SOURCE CODE: UR/0269/66/006/0014/0014

AUTHOR: Dokuchayeva, O. D.; Kraush, L. Ya.

TITLE: Investigation of certain new developers

SOURCE: Ref. zh. Astronomiya, Abs. 6.51.112

REF SOURCE: Soobshch. gos. astron. in-ta im. P. K. Shternberga, no. 139, 1965, 37-50

TOPIC TAGS: photographic chemical, photographic processing, film developer

ABSTRACT: New developers were tested with four kinds of photographic plates manufactured by the Agfa company. These were the Metol-hydroquinone developers with the addition of hydrazine (0.2 gm/liter) and triazobenzene (0.1 gm/liter), the Phinidone-hydroquinone developer JD-67, and the Metol-phosphate developer MF. Sensitograms were obtained with the above developers in 2,4,8,16, and 32 min using the FSR-4 sensitometer. The kinetic development curves were graphed. The results are exhibited in the form of curves of sensitivity $S_{0,2}$ as function of the fog D_0 , and tables containing the entries of the sensitivity increase $S_{0,2}$ relative to that obtained with reference photographic plates developed with the Chibisov developer. It is noted that the addition of hydrazine somewhat increases the sensitivity of Astro photographic plates. For the Astro "special" and the Isopan ISS plates the best results were obtained with the hydrazine and triazobenzene developers. The addition of

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UDC: 522.617

ACC NR: AR6028751

only triazobenzene to the Chibisov developer caused the sensitivity of Kodak OaO plates to increase by a factor of 1.5. The Phenidone-hydroquinone and the Chibisov developers gave similar results. The Metol-phosphate developer MF gave a somewhat decreased sensitivity and very small values of γ but the fields with small density differences could be clearly distinguished. [Translation of abstract] I. Breydo

SUB CODE: 14

Card 2/2

DOKUCHAYEVA, O. N.

Dokuchayeva, O. N.

"Aspects of the associative reactions in schizophrenia patients and changes in these reactions under the influence of caffeine." First Moscow Order of Lenin Medical Inst imeni I. M. Sechenov. Moscow, 1956 (Dissertation for the degree of Candidate in Medical Sciences)

Knizhnaya letopis'
No. 35, 1956. Moscow

DOKUCHAYEVA, O. N.

Case of simulation of epilepsy. Prak. sudebnopsikh. ekspert.
no.1:38-49 '60. (MIRA 15:7)

(EPILEPSY) (PERSONALITY, DISORDERS OF)

DOKUCHAYEVA, O.N.

Dynamics of "psychopathialike" syndrome of postinfectious origin
according to data of oatomestic examination. Probl.sud.psikh.
11:151-165 '61. (MIRA 16:3)
(PSYCHOLOGY, PATHOLOGICAL)

DOKUCHAYEVA, O.N.

Long catamnestic observation permitting elimination of the
possibility of a mental disease. Prak.sudebnopsikh.ekspert.
no.6:14-21 '62. (MIRA 16:2)

(FORENSIC PSYCHIATRY)

DOKUCHAYEVA, O.N.

Course of schizophrenia on an organically changed basis. Prak.
sudebnopsikh. ekspert. no. 7:3-12 '62. (MIRA 16:2)
(FORENSIC PSYCHIATRY) (SCHIZOPHRENIA)

Country : USSR
CATEGORY :

M-4

ABS. JOUR. : RZBiol., No. 19, 1959, No. 87021

AUTHOR : Iskuchayeva, I. I.

INST. : Azerbaydzhan Scientific Research Institute*

TITLE : Selected High-Yield Varieties of Corn for
Cotton-Growing Districts.

ORIG. PUB. : Byul. nauchno-tekhn. inform. Azerb. n.-i.
in-ta khlopkovodstva, 1957, No 2, 21-26

ABSTRACT : Of the late varieties, those of highest yield are VIR 156, Odesskaya 10, VIR 325, and local Agdamskaya; of the foreign varieties were selected Pioneer 301, Pioneer 301-A, Pioneer 347, King-Cross K2-5, and King-Cross KC-5. For green fodder production were selected the following varieties: Kartimera, Abashskaya yellow, Gal'skiy 518, VIR 264, Kartuli-Krugi, North Dakota x Dnepropetrovskaya hybrid, and local Shamkhorskaya. The highest yield of grain was obtained with VIR 156, early varieties of VIR 291, VIR 296, VIR 25, Kartuli-Krugi, and Shamkhorskaya. -- A. F. Khlystova.

CARD: 1/4 of Cotton Growing

30883

S/148/61/000/009/012/012

E081/E135

11.7200

AUTHORS: Kadyshevich, A.Ye., and Dokuchayeva, V.A.

TITLE: The applicability of visible and infrared pyrometric methods to flame temperature measurement in a limited space

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Chernaya metallurgiya, no.9, 1961, 180-190

TEXT: Previous work has shown that the optical method of measuring flame temperature gives satisfactory results if the flame is homogeneous and steady. However, in actual flames, there are temperature gradients and periodic fluctuations of temperature with time. Two average temperatures are defined, one the arithmetical average and the other weighted with respect to gas density. The purpose of the present investigation is to study the applicability of optical and infrared methods to a closed flame as found, for example, in a metallurgical furnace. An apparatus developed by V.A. Krivandinyy is described, for measuring the mean optical temperature of a flame by the method of spectral line reversal. The temperature was measured of a
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X

30883

The applicability of visible and ...

S/148/61/000/009/012/012
E081/E135

vertical flame in a combustion chamber (120 cm high, 70 cm wide) burning a mixture of town gas with air, which was open at the top and lined with refractory brick and water cooled. Mica windows were fitted from four sides to permit observation of the flame without allowing the drawing in of cold air. Mixing of the fuel and the oxidizer was by using a burner of the type "tube inside tube". The arrangement was such that it was possible to change over from a diffusion flame to a flame forming on combustion of a homogeneous mixture, i.e. from poor mixing to good mixing of the fuel and the oxidant. The length of the mixing pass could be varied between zero and 395 mm. Oscillograms of the fluctuations of ion current in a flame were recorded. Curves are reproduced in the paper showing the variation of flame temperature with excess air coefficient as measured in the optical and infrared regions. It was found that the optical method leads to substantial errors and has only limited applicability. The infrared method is more widely applicable and yields more accurate measurements. There are 5 figures and 7 Soviet-bloc references. ASSOCIATION: Moskovskiy institut stali (Moscow Steel Institute) SUBMITTED: February 21, 1961. Card 2/2

X

DOKUCHAYEVA, V.A.

Measuring the temperature of flame by its infrared rays. Izv.
vys. ucheb. zav.; Chern. met. 5 no.5:191-199 '62. (MIRA 15:6)

(Flame)

(Infrared rays)

DOKUCHAYEVA, V. F.

DOKUCHAYEVA, V. F. - "Hygienic Significance of the Dust-Restraining Characteristics of Forest Plantings." Sub 7 May 52, Acad Med Sci USSR. (Dissertation for the Degree of Candidate in Medical Sciences).

SO: Vechernaya Moskva January-December 1952

DUKUCHAYEVA, V.F., kandidat meditsinskikh nauk

SECRET

The green shield. Zdorov'e 2 no.4:7-8 Ap '56.

(MIRA 9:7)

(LANDSCAPE GARDENING)

(PLANTS AS SANITARY AGENTS)

DOKUCHAYEVA, V. F.

DOKUTSCHAJEVA, V.F.

The role of tree planting in dust control in the air. J. Hyg.
Epidem., Praha 3 no.3:329-338 1959

1. Aus dem Institut für Öffentliche und Kommunalhygiene der Akademie
der medizinischen Wissenschaften, UdSSR, Moskau
(DUST, pref. & control)
(TREES)

~~DOKUCHAYEVA, N.N.~~ kand.med.nauk; SKVORTSOVA, N.N., vrach.

Use gas correctly. Zdorov'ie 6 no.12:29 D '60.
(GAS BURNERS—SAFETY MEASURES)

(MIRA 13:12)

DOKUCHAYEVA, V.F., starshiy nauchnyy sotrudnik; SKVORTSOVA, N.N., starshiy
nauchnyy sotrudnik

Contamination of the air by manganese compounds and their effect on
the organism. Pred.dop.kontsent.atmosf.zagr. no.6:68-80 '62.

(MIRA 15:9)

1. Iz Instituta obshchey i kommunal'noy gigiyeny imeni A.N.
Sysina AMN SSSR.

(MANGANESE COMPOUNDS—PHYSIOLOGICAL EFFECT) (AIR—POLLUTION)

GOL'DBERG, M.S., doktor med. nauk; GLEBOVA, L.F., kand. med. nauk;
DOKUCHAYEVA, V.F., kand. med. nauk; PERASHIN, A.A., kand.
med. nauk; SKVORTSOVA, N.N., kand. med. nauk; POLEZHAYEV,
N.G., kand. biol. nauk; SENDERIKHINA, D.P., kand. biol.
nauk; KIMINA, S.N., nauchn. sotr. Prinsipal uchastiye
NEDOGIBCHENKO, M.K.; LYUDKOVSKAYA, N.I., tekhn. red.

[Methodological instructions on the organization of research on
the pollution of air and the study of the effect of atmospheric
pollution on the health and sanitary and hygienic living condi-
tions of the population] Instruktivno-metodicheskie ukazaniia po
organizatsii issledovaniia zagriazneniia atmosfernogo vozdukha i
izucheniia vliianiia atmosferykh zagriaznenii na zdorov'e i sa-
nitarno-gigienicheskie usloviia zhizni naseleniia. Moskva, Med-
giz, 1963. 203 p. (MIRA 16:12)

1. Russia (1923- U.S.S.R.) Vsesoyuznaya gosudarstvennaya sa-
nitarnaya inspektsiya. 2. Starshiy gosudarstvennyy sanitarnyy
inspektor Gosudarstvennoy sanitarnoy inspektsii Ministerstva
zdravookhraneniya SSSR (for Nedogibchenko).
(Air--Pollution)

1. DOKUCHAYEVA, V.I.O.
2. USSR (600)
4. Agriculture
7. Introduction of grassland crop rotation in the Transcarpathian Mountain region.
Uzhgorod,Zakarp, kn. -zhurn. izd-vo, 1952
9. Monthly List of Russian Accessions,Library of Congress. February, 1953.Unclassified

KOZLOV, Ye.K.; DOKUCHAYEVA, V.S.; BOGDANOV, I.S.

Unique ore gabbro-norite pegmatite of Mittis Mountain in
the Monche-Tundra. Mat. po min. Kol'. poluost. 3:86-99 '62.
(MIRA 17:3)

DOKUCHAYEVA, Ye. N.

COUNTRY : USSR
 CATEGORY : Cultivated Plants. Fruits. Berry c. Indus. Tree.
 RES. CONTR. : RZhBiol., No. 4, 1952, No. 15630
 AUTHOR : Dymchuk, P.N.; Dokuchayeva, Ye.N.
 INST. : Ukr.Sci.Res.Inst. of Viticulture and Wine-Making
 TITLE : Prospective Forms of Commercial Grapes Bred at
 Tairov Institute.
 CITED IN : Biol. Zhurno-zakhn. Inst. Ukr. N.-I. Inst.
 ABSTRACT : The Institute has developed 98 hybrid forms of
 commercial grapes. A description is given of
 11 varieties developed from crossing Alicante Bouschet X
 X Cabernet Sauvignon.

Card:

1/1

VASIL'YEV, A.V., kand.tekhn.nauk, VOLVOK, S.P., DOKUCHAYEVA, Ye.N.,
kand.tekhn.nauk

Measurement techniques in using strain-measuring points of tractors.
Trudy NATI no.20:52-71 '60. (MIRA 13:7)

(Strain gauges)
(Crawler tractors—Dynamics—Measurement)

DOKUCHAYEVA, Ye.N., kand.biol. nauk

Effectiveness of controlled methods for the development of new
grape varieties in the south of the Ukrainian S.S.R. Agrobiologiya
no.2:299-307 Mr-Apr '63. (MIRA 16:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut vinogradarstva i
vinodeliya imeni V.Ye.Talfova, Odessa.
(Ukraine--Grapes--Varieties)

KOL'TSOVA, V.A., inzh.; Prinimali uchastiye: PETROVA, O.D. rabotnitsa;
DOKUCHAYEVA, Ye.Ya., rabotnitsa

Use of metalized (palatine-type) dyes for dyeing wool felt cones.
Nauch.-issl. trudy TSNIIShersti no.17:94-96 '62. (MIRA 17:12)

1. Shchelkovskaya fetrovaya fabrika (for Petrova, Dokuchayeva).

SHVARTS, V.M.; DOKUCHAYEVA, Z.F.

Effect of dyes on the reciprocity-law failure during prolonged exposure. Zhur. nauch. i prikl. fiz. i khim. 19 no.4:261-266, 1965. 31-Ag '65. (MIRA 18:7)

1. Kazanskiy filial Vsesoyuznogo nauchno-issledovatel'skogo kinofotoinstituta.

MOROZOVA, L.N.; DOKUCHAYEVA, Z.Ye.; ZOLIN, G.A.; KULAKOVA, A.A.; NAVRATIL',
Z.A.; POSTNIKOVA, Ye.N.; SHOR, M.S. (Moskva)

Effectiveness of prolonged combined antibacterial therapy of pulmonary tuberculosis. Klin.med. 37 no.12:75-82 D '59.

(MIRA 13:4)

1. Iz IV glavnogo upravleniya pri ministerstve zdavookhraneniya
SSSR (nauchnyy rukovoditel' - prof. A.Ye. Babukhin).
(TUBERCULOSIS)

MOROZOVA, L.N.; DOKUCHAYEVA, Z.Ye.; ZOLIN, G.A.; KULAKOVA, A.A.;
NAVRATEL', Z.A.; POSTNIKOVA, Ye.N. (Moskva)

Late results of antibacterial treatment of pulmonary
tuberculosis. Klin. med. 40 no.12:32-36 D '62.

(MIRA 17:2)

1. Iz 1-y i 2-y polikliniki IV Glavnogo upravleniya pri
Ministerstve zdravookhraneniya SSSR (nauchnyy rukovoditel' -
prof. A.Ye. Rabukhin).

1. DOKUDOVSKIY, I..YE.
2. USSR (600)
4. Tkachenko, Mikhail Elevferovich
7. U.S.S.R. is the home of steppe afforestation. ("Material on steppe afforestation"
M. YE. Tkachenko. Reviewed by I. YE. Dokudovskiy. Les i step' 14 No. 11, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

DOKUDOVSKIY, I. YE.

USSR/Forestry - Forest Economy.

K-4

Abs Jour : Ref Zhur - Biol., No 2, 1958, 5880

Author : Dokudovskiy, I. Ye.

Inst : Leningrad Forest Engineering Academy.

Title : For Rationalization of the Economy of the Oak Forest of
the USSR

Orig Pub : Tr. Leningrad. lesotekh. akad., 1957, No 81, part 2, 35-41

Abstract : The present oak forest reserve of the USSR is characteri-
zed, and its economic exploitation is reviewed.
The types of growing conditions and of oak forests are
described briefly, and recommendations are given for the
improvement of their economic exploitation.

Card 1/1

KALATUROV, B.A., kand.tekhn.nauk; DOKUDOVSKIY, S.I., inzh.

Study of prestressed reinforced-concrete autoclaves. Trudy
NIIZHB no.24:145-215 '61. (MIRA 15:5)
(Autoclaves)

DOKUDOVSKIY, Ye.G.

Methods for trichophytosis control. Veterinariia 39 no.11:32-35
N '62. (MIRA 16:10)

1. Glavnyy veterinarnyy vrach Sapozhkovskogo rayona, Ryazanskoy oblasti.

DOKUDOVSKIY, Ye. I.

DOKUDOVSKIY, Ye. I. -- "Vegetative Restoration of Birches in Grass-Hard-
back Birch-Sorrel Soils." Min Higher Education USSR. Leningrad, 1956.
(Dissertation for the Degree of Candidate in Agriculture Sciences).

So.: Knizhnaya Litopis', No. 7, 1956.

DOKUKIN, A., prof., doktor tekhn.nauk, zasluzhennyi deyatel' nauki
i tekhniki

Problems in over-all mechanization and automation. Sov.shtakht.
10 no.10:3-5 0 '61. (MIRA 14:12)
(Coal mining machinery)
(Automatic control)

DOKUKIN, A.F.; TELEGIN, V.P.

~~XXXXXXXXXX~~

Hematological characteristics of Wuertemberg-fat-tailed hybrid
sheep in the high mountain regions of Kirghizia. Trudy Biol.inst.
KirPAN SSSR no.3:17-21 '50. (MIRA 8:5)
(KIRGHIZISTAN--SHEEP)
(BLOOD--ANALYSIS AND CHEMISTRY)

DOKUKIN, A.F.

Variation in the quantitative and qualitative composition of the
yolk of hybrid sheep (Wurttemberg Kurdiuk) under the influence of
mountainous conditions. Trudy Biol.inst. KirFAN SSSR no.4:125-134
'51. (MIRA 9:10)

(KIRGHIZISTAN--SHEEP) (WOOL FAT)

DOKUKIN, A. F.

"Functional Preparation of the Organism of Hybrid Sheep (Vyrtemberg-Kurdyuchniye) for Life in the Kirgiz Mountains." Cand Biol Sci, Inst of Zoology and Parasitology, Kirgiz Affiliate of the Acad Sci USSR, Frunze, 1953. (RZhBiol, No 5, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

~~DOKUKAN, A.F.~~

ODYNETS, R.N.; ARATOV, V.A.; KORNEYEV, D.N.; DOKUKAN, A.F.; ROMASHEVA, I.F.

Effect of insemination with mixed semen on the rate of fertilization in cows. Trudy Inst. zool. i paraz. KirFAN SSSR. no.1: 25-29 '54. (MLRA 10:6)

(Artificial insemination) (Cows)

DOKUKIN, A. F.

ODYNETS, R.N.; DOKUKIN, A.F.; FANTALIS, I.A.; MEL'NIKOV, P.I.

Nitrogen, calcium, and phosphorus metabolism in highly productive
dairy cows fed rations containing brewery mash. Trudy Inst.zool.i
paraz.AN Kir.SSR no.4:157-163 '55. (MLRA 10:5)

(Cows--Feeding and feeding stuffs)

(Minerals in the body)

(Brewing industries--By-products)

DOYNE, A.F.

ODYNETS, R.N.; ~~DOKUKIN, A.F.~~

Oxygen consumption and carbon dioxide secretion in the mammary
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USSR/Mining

Card 1/1

Authors

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Institution

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Submitted

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34 no.9:6-9 S '59. (MIRA 12:12)
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S/127/60/000/012/003/005
B012/B054

AUTHOR: Dokukin, A. Y., Professor, Doctor of Technical Sciences
(Lyubertsy, Moskovskaya oblast')

TITLE: Corrosion inhibition of structures and installations in the
exploitation of mineral resources

PERIODICAL: Gornyy zhurnal, no. 12, 1960, 31-35

TEXT: The author gives a survey of factors causing corrosion. Corrosion is extremely high in pits with acid water ($\text{pH} \leq 2$) and vagabond currents. The latter are connected with transportation by means of d.c. locomotives. The situation would be much improved with the use of a.c. locomotives. Such locomotives were developed by the Aleksandrovskiy zavod Permskogo sovnarkhoza (Aleksandrovsk Plant of the Perm' sovnarkhoz) and the author's association. The first experimental types are to be finished in 1961. Acidproof steels with 8% Ni, 17% Cr, and at most 0.12% carbon show long durability in highly aggressive pit waters. An increase of the Ni and Cr content, and an introduction of up to 0.8% of titanium, raises the durability of the alloy even more. Five devices made of plastics are

Card 1/4

Corrosion inhibition of...

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described. They show comparatively high durability in aggressive medium and a lighter weight than metal devices. Glass-reinforced plastics show high tensile strength in aggressive media. Tubes and pipes are being made of such plastics. Mines in the Urals are using pipes which are lined with concrete (with acidproof cement) and coated outside with acidproof paint. Pipe flanges are made of acidproof OX18H9 (OKh18N9) steel. In highly aggressive waters, these pipes have a service life of 6-10 years. The author describes a rubber-lined valve for pressures of up to 70 atm excess pressure, a rubber-lined back-pressure valve with inclined seat, and a rubber-lined suction valve. Fig. 6 shows an acidproof vacuum pump of the type PMK-3 (RMK-3) which had been demonstrated in 1960 at the Corrosion Inhibition Show of the Vystavka dostizheniy narodnogo khozyaystva v Moskve (Exposition of Achievements of National Economy in Moscow). It is protected from aggressive media under heavy duties. The front parts of the cast-iron body are lined with Viniplast or faolite. The conduits are made of Viniplast. Enameled chutes used in the breakage faces of the pits of the Luganskiy sovnarkhoz (Luganskoye sovnarkhoz) for the transport of ore and coal proved to be highly resistant to wear and corrosion. The following pure metal coats are recommended for corrosion

Card 2/4

Corrosion inhibition of...

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B012/B054

inhibition: 1) in mine atmosphere: zinc layer of up to 40μ , under severe conditions: lead layer of up to 100μ ; 2) in neutral water: zinc layer of up to 70μ ; 3) in alkaline mine water: nickel layer of 20 - 100μ ; 4) in acid mine water: lead layer of 1-2 mm and more. Non-metallic coats used in acid mine waters should have the following thicknesses: acidproof cement: 10-12 mm, faolite, rubber, textolite, polystyrene: 3-5 mm, "cast stone": 15-25 mm. There are 6 figures and 3 tables.

ASSOCIATION: Institut gornogo dela AN SSSR, g. Lyubertsy, Moskovskoy obl.
(Mining Institute of the AS USSR, Lyubertsy, Moskovskaya oblast')

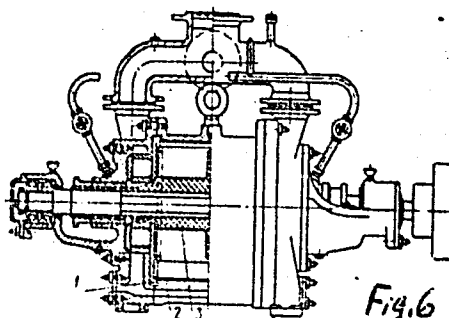
Card 3/4

Corrosion inhibition of...

S/127/60/000/012/003/005
B012/B054

Fig. 6. Acidproof RMK-3 vacuum pump

Legend: (1) Viniplast lining on the
front side, (2) faolite lining,
(3) faolite rotor.



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